

Date: Wed, 27 Apr 94 09:35:11 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #461
To: Info-Hams

Info-Hams Digest Wed, 27 Apr 94 Volume 94 : Issue 461

Today's Topics:

 Amplifier impedance (was SWR & Powre Loss)
 Another use for Morse Code
 CTCSS
 Data transmission over radio
 Dayton Room Available Thurs/Sat
 Drake L-4B amp & control cable questions
 FCC computers
 FT736r Mods
 IPS Daily Report - 26 April 94
 Last Minute Dayton Questions
 Looking for any and all info on LoJak
 Looking for books
 NEED INFO, Were you a Army radioman?
 personal autopatch calls
 Ten-Tec Address (or fax #) ???

The Confiscated HT Story (was Illinois anti scanner legisla) (2 msgs)
 TheNet X-1J Release 2 is out!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 26 Apr 1994 13:10:23 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: Amplifier impedance (was SWR & Powre Loss)
To: info-hams@ucsd.edu

In article <CotwMz.AsG@hpcvsnz.cv.hp.com> tomb@lsid.hp.com (Tom Bruhns) writes:

>
>Sometimes it's fun to post little food-for-thought questions.
>
>Suppose I have a 100W power amplifier that uses something like
>beam power tubes in its output stage. Suppose in addition it's
>being operated in a linear manner (so that superposition holds).
>Suppose also that any output matching circuit it contains is
>built from very high unloaded Q components--essentially lossless.
>If I "look back into" the output terminals of this amplifier,
>I will "see" some real impedance, which I expect to be quite
>different than the load impedance that this amplifier is
>designed to operate into. Suppose I connect a generator
>to the output connector of the amplifier and adjust the generator
>to deliver 1 watt into the impedance I "see" looking back into
>the amplifier.
>
>Exactly where do you expect that 1 watt to be dissipated?
>Why? What effect will you see on the meters monitoring the
>power supply voltage and current of the amplifier?

Aside from the power lost in the circuit loss resistances, contacts,
wiring, tanks etc. The rest will buck and boost the tube static voltage
and current. Since the signal is symmetric, the net effect on the meters
will be nil, summed to zero by the mechanical inertia of the meters.
The signal really disappears into the energy storage of the power supply
decoupling circuit.

Gary

```
--
Gary Coffman KE4ZV          |   You make it,      | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems |   we break it.     | uunet!rsiatl!ke4zv!gary
534 Shannon Way           |   Guaranteed!     | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244   |                   |
```

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-----
Date: 27 Apr 94 00:29:54 GMT
From: dog.ee.lbl.gov!agate!darkstar.UCSC.EDU!cats.ucsc.edu!
haynes@ucbvax.berkeley.edu
Subject: Another use for Morse Code
To: info-hams@ucsd.edu
```

Saw this today in the MIT-produced magazine Technology Review (May/June
1994 issue, page 18) under "Giving Disabled Kids a Start in Science"

"Another student who is unable to control either his hands or his head
uses a sip-and-puff device to communicate with the computer in Morse code,
blowing air out through a plastic straw for a dot and sipping air in for

a dash. The device translates the Morse code into characters the computer can understand.

"Such interfaces can be surprisingly efficient. Students using mouthwands and sip-and-puff devices can type 30 words a minute."

--

haynes@cats.ucsc.edu

haynes@cats.bitnet

"Ya can talk all ya wanna, but it's dif'rent than it was!"

"No it aint! But ya gotta know the territory!"

Meredith Willson: "The Music Man"

Date: Sun, 24 Apr 1994 23:10:50 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!sunic!psinntp!psinntp!gdstech!gdstech!bat@network.ucsd.edu

Subject: CTCSS

To: info-hams@ucsd.edu

Many Hams use CommSpec CTSS cards in their radios. These things are small, good, and cheap (around \$38). Excelent for older radios.

--

```
*-----*
*   Pat Masterson   D12-25   | KE2LJ@KC2FD           *
*   Grumman Data Systems   | 516-346-6316.           *
*   Bethpage, NY 11746     | bat@gdstech.grumman.com   *
```

Date: 26 Apr 94 08:31:26 GMT

From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.duke.edu!duke!wolves!psybbs!fredmail@network.ucsd.edu

Subject: Data transmission over radio

To: info-hams@ucsd.edu

Jim -

One thought I have is to call your regional office of Motorola Comm. & Electronics, or call 1-800-555-1212 and ask for Radius or Motorola. They offer about what you're looking for in a little two to four watt job about the size of a credit card and about an inch or two deep. R-NET or something like that. If i still worked at a MSS I'd be able to get you more, but this should be a good start.

73,

Chuk Gleason,

KB4MDZ

(reply to KB4MDZ.Chuk@rars.mms, I think but if you reply this route Errol will be a good guy and let me know)

Date: 26 Apr 1994 22:20:07 -0400
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news2.sprintlink.net!news.sprintlink.net!
redstone.interpath.net!mercury.interpath.net!not-for-mail@network.ucsd.edu
Subject: Dayton Room Available Thurs/Sat
To: info-hams@ucsd.edu

I can not use my reservation for the Motel 6 across from Dayton Mall.
It is for Thurs, Fri and Sat....

All I am asking for is that you make reservations for me for next year.

!st email gets it or call (919) 544 5729 from 8am-3pm tommorrow

thanks
ab4vj ..
:wq

Date: Sun, 24 Apr 1994 23:07:51 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!EU.net!sunic!psinntp!psinntp!gdstech!gdstech!
bat@network.ucsd.edu
Subject: Drake L-4B amp & control cable questions
To: info-hams@ucsd.edu

Some years ago, I also acquired an L4B which had been sitting for many years. I did what the others all suggested; pull the tubes and apply voltage slowly with a variac. Since I didnt know how long it would take to reform the caps, I put 10 volts into the line for a few hours. Then increased it by 10 every day until full line voltage was going in. It ran each day for a few hors while I was in the shack to watch it. Seems to have been a good idea, the amp works great.

Also, there was no control cable with mine. I drilled a small hole 2 inches away from the old socket, and put in an RCA phono socket. Problem solved for 39 cents. -pat

--

* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: 26 Apr 94 21:33:01
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!ncar!csn!news.usafa.af.mil!usafa2!
jcmiller@network.ucsd.edu
Subject: FCC computers
To: info-hams@ucsd.edu

In article <Coqr6D.Ho0@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu (Jeffrey Herman) writes:

In article <2pce2c\$ri1@spool.cs.wisc.edu> jhanson@yar.cs.wisc.edu (Jason Hanson) writes:

>
>Whoa, slow down! In your case, I'm confident a call to Gettysburg is
>warrented. But, I think Dan had a good point overall. If one calls them, it
>is time they are not entering licenses into the computer. That's why they
tell
>you not to even think about it for 8-10 weeks.

Oh come now, Jason! We're discussing our government here. The people
answering the telephones were hired ONLY to answer phones. The people
feeding the computers were hired ONLY to feed the computers. 'Never
the twains shall meet.'

Jeff NH6IL

Jeff, Jeff, Jeff...I'm a bit disappointed in you. Here at USAFA, I
answer the phones, run the computers (well, sort of :-)), supervise
people, *and* make coffee. No wonder I'm so tired all the time!

73 es aloha,

Jeff (the other NH6xx Jeff)

--

Jeff Miller, NH6ZW/N0, AFA5MJ (ex WD6CQV, AFA1D0, AFA8JM, AFA1HE)
USAFAnet Manager and General Troubleshooter [jcmiller@gems.usafa.af.mil] or
HQ USAF/DFYC, USAF Academy, CO 80840 [millerjc%dfyc@dfmail.usafa.af.mil]
55: It's not a good idea, it's just the law. E-mail for NMA info.

Date: 26 Apr 94 23:57:24 GMT
From: news-mail-gateway@ucsd.edu
Subject: FT736r Mods
To: info-hams@ucsd.edu

Hi Gang,

I have been told that there are mods for the Yaesu FT736r rig. I have located one (2m mod), but have been told that there are 6 or 8 other mods available. Anyone know where I might find these other mods? Or, would some kind ham, who has them, e-mail them to me or tell me where I can get them via FTP.

73 de KB0LRB

Date: Tue, 26 Apr 1994 23:14:35 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!EU.net!sunic!
trane.uninett.no!nac.no!ifi.uio.no!wabbit.cc.uow.edu.au!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report - 26 April 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 26/2330Z APRIL 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 26 APRIL AND FORECAST UP TO 29 APRIL

IPS Warning 12 was issued on 26 April and is current
for interval April 29-May 11.

1A. SOLAR SUMMARY
Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 081/022

1B. SOLAR FORECAST	27 April	28 April	29 April
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 080/020

1C. SOLAR COMMENT
None.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices : A K Observed A Index 25 April

Learmonth	(07)	3121	----	
Fredericksburg	06			08
Planetary	07			07

Observed Kp for 25 April: 2221 1223

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
27 Apr	10	Quiet to unsettled.
28 Apr	20	Unsettled to active.
29 Apr	30	Active to minor storm.

2C. MAGNETIC COMMENT

Coronal hole disturbance expected April 29 - May 11.

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
26 Apr	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
27 Apr	normal	normal	fair
28 Apr	normal	fair	poor
29 Apr	fair	poor	poor

3C. GLOBAL HF PROPAGATION COMMENT

Conditions expected to remain normal until April 28, then degraded comms conditions are expected.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted monthly values

Observed T index for 26 April: 45

Predicted Monthly T Index for April is 40.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
27 Apr	45	Near predicted monthly values.
28 Apr	45	Near predicted monthly values.
29 Apr	40	Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

Degraded HF comms conditions expected after April 28.

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331	PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329	West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330	AUSTRALIA

Date: Thu, 21 Apr 94 19:52:09 GMT
From: tijc02!eri316@uunet.uu.net
Subject: Last Minute Dayton Questions
To: info-hams@ucsd.edu

Date: 27 Apr 94 07:41:36 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!pacbell.com!ohlone.kn.PacBell.COM!
jlundgre@ucbvax.berkeley.edu
Subject: Looking for any and all info on LoJak
To: info-hams@ucsd.edu

Hah! Rotsa Ruck. The Lojak people are (IHMO) not going to want anyone to know anything about their system just to make sure that the thieves aren't going to defeat it. I really don't think that you'll be able to rush out and buy a schematic diagram and service manual at your local electronics store. Best of success, though.

Date: 23 Apr 94 04:52:13 GMT
From: agate!howland.reston.ans.net!wupost!uhog.mit.edu!news.media.mit.edu!
news.media.mit.edu.!sro@ucbvax.berkeley.edu
Subject: Looking for books
To: info-hams@ucsd.edu

> When I was much younger I used to check out books from the library
> that featured a teen age amateur radio operator whose call sign was,
> to the best of my memory, k6atx. The young hero lived in California
> and had lots of adventures (along the lines of the Hardy Boys).
> Usually he ended up being trapped by a drug smuggler, but always
> escaped because of his knowledge of amateur radio.

k6atx? Drug smuggler? Are you sure the bad guys weren't making
hooch? How old are you? :)

Let us know if you find out what it was.

And has anyone read the more recent books of this genre? They're always hyping them in QST.

--Shawn

Date: 26 Apr 94 12:47:46 -0500
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!europa.eng.gtefsd.com!news.msfc.nasa.gov!cs.utk.edu!nntp.memst.edu!urjennings@network.ucsd.edu
Subject: NEED INFO, Were you a Army radioman?
To: info-hams@ucsd.edu

HI FOLKS,

I'm not sure that this is the correct group to post this question to, but none of the *.military.* groups seem correct either. If this post offends you, I apologize. Now that I have cleared my conscience...

I'm looking for info & merchandise.

A friend of mine has this former USArmy bag that he "acquired" while attending a Boy Scouts summer camp in west Tennessee (this was around the mid-80's). There were several others that were bagged (pun intended) by his partners in crime.

Until recently, we thought it had been a map bag, but a few weeks ago someone told my friend that it was a bag for a field radio. Either one seems reasonable & I'm looking for both a definitive answer as to what it is and a source for getting more of them because it's a really handy size.

Here's a description of it; the dimensions are approximations (ie: + or - 2"): 11" tall X 9" wide X 4" deep (front to back), olive drab w/ "US" dyed into to cover flap (looks authentic), full height snap-close pockets on each end, a small pocket on the front (flap cover only, no snap), pen holder(s?), two 1" straps w/metal ends that wrap around (over the top, back to front) to secure the cover flap, another 1" strap wraps around the sides & ties in the front for a more secure closure, & there are metal grometts at the top of each end for clipping on it's 3" web shoulder strap. It's made of heavy fabric (not canvas, though) & there is some kind of plastic-like lining (very deteriorated) adhered to the inside. There is some mostly illegible text printed on the inside of the cover flap but a fairly distinct "1967" or "1969".

Can anyone verify what kind of bag this is & point me to a source for them? I've scoured Army Surplus & many catalogs for 4 years & have yet to find a twin.

E-mail preferred, but posting is OK.

Thanks in Advance!!!!!!!

--

Ronald Jennings Memphis State University

Ronald Jennings Memphis State University

Date: 27 Apr 94 14:46:51 GMT
From: sdd.hp.com!hp-pcd!hpcvsnz!tomb@hplabs.hp.com
Subject: personal autopatch calls
To: info-hams@ucsd.edu

Mont Pierce (montp@vortex.eng.sc.rolm.com) wrote:

: ... the jest of the changes is as follows:
 ^You aren't kidding us, are you? ;-)

Date: Thu, 21 Apr 1994 11:31:30 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!darwin.sura.net!ukma!ovation!
ramcad.pica.army.mil!mellis@network.ucsd.edu
Subject: Ten-Tec Address (or fax #) ???
To: info-hams@ucsd.edu

I heard an interesting piece of news on our local repeater yesterday
about the fact that Ten-Tec now offers 2m amplifier KITS (Yay!) for
a reasonable price.

Sooo, I think I'll ask them for a catalog. Anyone out there have their
address, or preferably a fax number?

Thank yew....

.... Mark E. Ellis <mellis@ramcad.pica.army.mil>
PA&TD Workplace Automation Group
Picatinny Arsenal, NJ

Date: 27 Apr 94 02:58:08 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!math.ohio-state.edu!cyber2.cyberstore.ca!vanbc.wimsey.com!
deep.rsoft.bc.ca!giant!a10554@network.ucsd.edu
Subject: The Confiscated HT Story (was Illinois anti scanner legisla)

To: info-hams@ucsd.edu

novotny@nosc.mil (John W. Novotny) writes:

>Bill - I posted this a couple of months ago. This is the last I've seen in the
>local paper.

> This was the lead article in Tom Blair's column in the February 17,
>1994 edition of the San Diego Union-Tribune.

> "In a new bit of tension between the Board of Supervisors and Sheriff
>Jim Roache, the board refused Tuesday to accept a gift to the Sheriff's Dept.
>and told the sheriff to return it. The gift: a portable ham radio used last
>August by a back-country bicyclist, Chris Boyer, to summon help for a
>seriously injured friend. After sheriff's deputies responded to the
>emergency call, they told Boyer he had violated FCC rules by using restricted
>emergency frequencies and ordered him to surrender the improperly altered
>radio to them and the FCC. To avoid further hassle, Boyer signed the radio
>over to the department as a gift. But the supervisors, who honored Boyer in
>December as a good Samaritan, said no thanks this week. They urged the
>sheriff to return the radio to Boyer."

I KNEW (I actually wished :) he was going to get it back. Now I hope
it doesn't take the Sheriff Office some years to do it, and not making
it difficult for Chris Boyer. The tension of the above 2 groups exist
for many years, when I still lived in San Diego, or so I heard.

> John WA6ORO

David Tse

--

David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca

I will prefer e-mail sent to above address.

My PO Box is CANCELLED, please do not use.

Date: Tue, 26 Apr 1994 21:16:49 GMT

From: telesoft!garym@uunet.uu.net

Subject: The Confiscated HT Story (was Illinois anti scanner legisla)

To: info-hams@ucsd.edu

In <9403257672.AA767288837@smtpgty.anatcp.rockwell.com>

William_A._Kirsanoff@smtpgty.anatcp.rockwell.COM (William A. Kirsanoff) writes:

>Yes, it would appear that the San Diego Sheriff had no legal
>authority to confiscate the HT, but the department, with the aid of the
>local FCC Field Engineer, did succeed in coercing Chris to "voluntarily"
>donate his HT to the SD RACES rather than face prosecution. The last I
>heard, the San Diego County Supervisors voted to decline the "gift",
>although that part I have not been able to confirm. One thing that came out
>last year when this story was fresh that I did not note in my earlier post

>is that at about the same time as Chris used his HT on the Sheriff's
>frequency to summon aid, another person was causing malicious interference
>on Sheriff's frequencies. The word is that the two together greatly
>irritated the Sheriff and drove the coercive activity that relieved Chris
>of his HT.

There were two related circumstances that caused this to get blown out of proportion a bit. First, about two weeks before Boyer called in his "emergency" on an S0 frequency, there was another person who had been jamming the S0 frequencies using similar equipment, so they were particularly sensitive at the time this happened. Second, I have heard that Boyer is an engineer for a local radio or TV station and he admitted in that meeting with the FCC engineer that he had modified his amateur HT so he could use it on his station's commercial UHF repeaters and that he regularly used it on those frequencies. I think this second item is why the FCC went along with the S0 in regard to confiscating the radio because it was not type-accepted for that use. I believe the radio is still in limbo somewhere, but RACES never did get it. Hopefully, Chris will get it back someday. I haven't heard much on this lately though.

--GaryM

--

Gary Morris	Internet: garym@alsys.com (garym@cts.com)
Alsys Inc.	Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA	Phone: +1 619-457-2700 x128 (voice/fax)

Date: Tue, 26 Apr 94 17:12:59 PDT
From: ihnp4.ucsd.edu!usc!sdd.hp.com!col.hp.com!csn!news.sinet.slb.com!
news@network.ucsd.edu
Subject: TheNet X-1J Release 2 is out!
To: info-hams@ucsd.edu

TheNet X1J Release 2 packet Node software.

=====

I have just uploaded the latest release of TheNet X-1J Release 2
to :-

oak.oakland.edu /pub/hamradio/incoming

Dave (G8KBB) and myself (G0JVVU) have been beta testing it for a few weeks with a selected few sites around the world.

This release includes several new gadgets for X1J node operators and users.

The node now supports four Analogue input ports:-

Port 1 is for the previously announced Deviation meter

Port 2 is for the new Signal strength meter addition

Ports 3 & 4 are general purpose input ports.

I have used port 3 for a temperature sensor and port 4 for a psu voltage monitor in my local test nodes. I have included a document (in MS WORD format) called HOTNCOLD.DOC for anybody who wishes to attempt to add the temperature sensor to the node.

I would be happy to hear of any other uses these ports get used for around the world.

There will be no PCB this time! Especially as ports 3 & 4 are user defined!

Best of luck with the product.

73 Neville

My email is "neville@felixstowe.em.slb.com" if needed.

Date: 27 Apr 94 14:47:15 GMT

From: sdd.hp.com!col.hp.com!fc.hp.com!jayk@hplabs.hp.com

To: info-hams@ucsd.edu

References <2pgjdf\$2kh@news.duke.edu>, <2pgnap\$gen@cville-srv.wam.umd.edu>, <LEVIN.94Apr27092546@medea.bbn.com>

Reply-To : jayk@fc.hp.com

Subject : Re: Non-US callsign ID's

:(Jay Kesterson K0GU) writes:

: But to answer the original question if you plan to work and 'QSL'
: lots of DX stations a DX Callbook is a good investment. ^^^

Joel B Levin (levin@bbn.com) wrote:

: Unfortunately, a lot of the DX you work is in the North American
: Callbook, which I don't have since I mostly use Internet reachable
: services for US and Canada callsigns. Sigh.

Good point. I guess thats how they try to get you to buy both callbooks with US listings so easy to access.

73, Jay K0GU

jayk@fc.hp.com

End of Info-Hams Digest V94 #461
